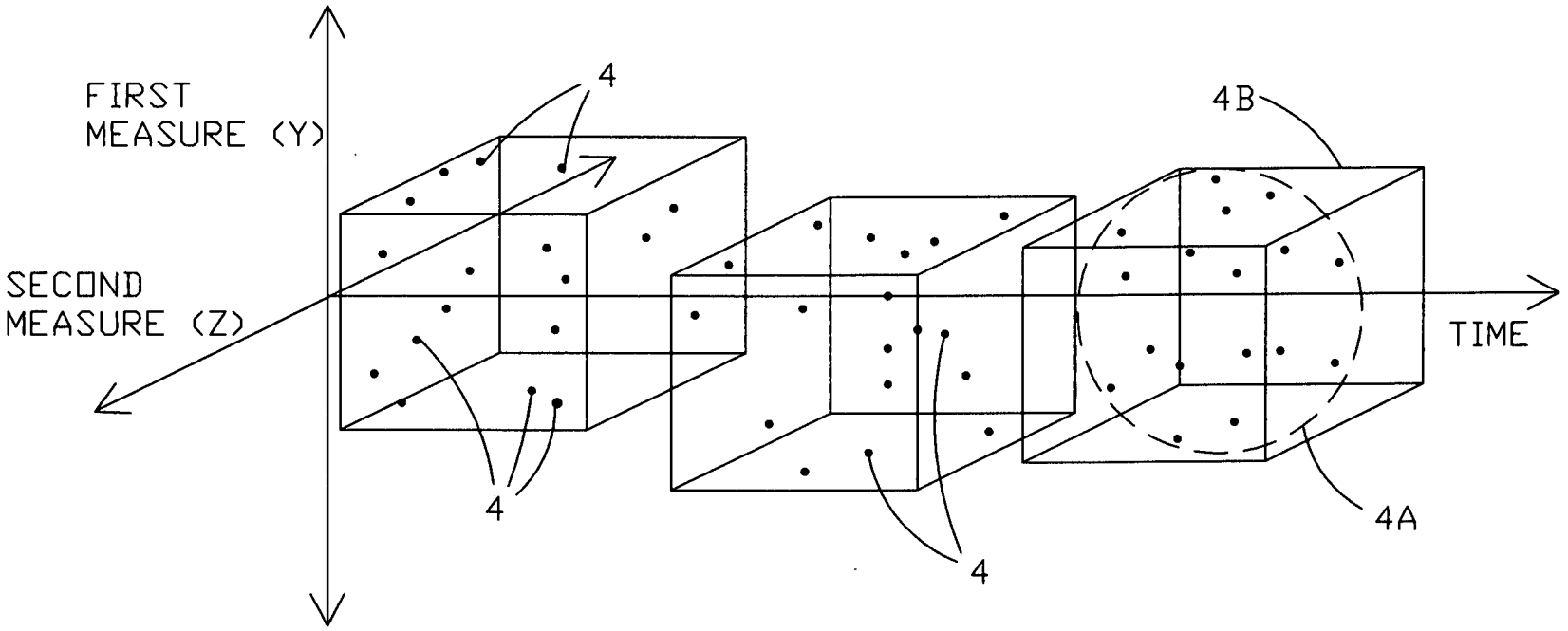

FIG. 1

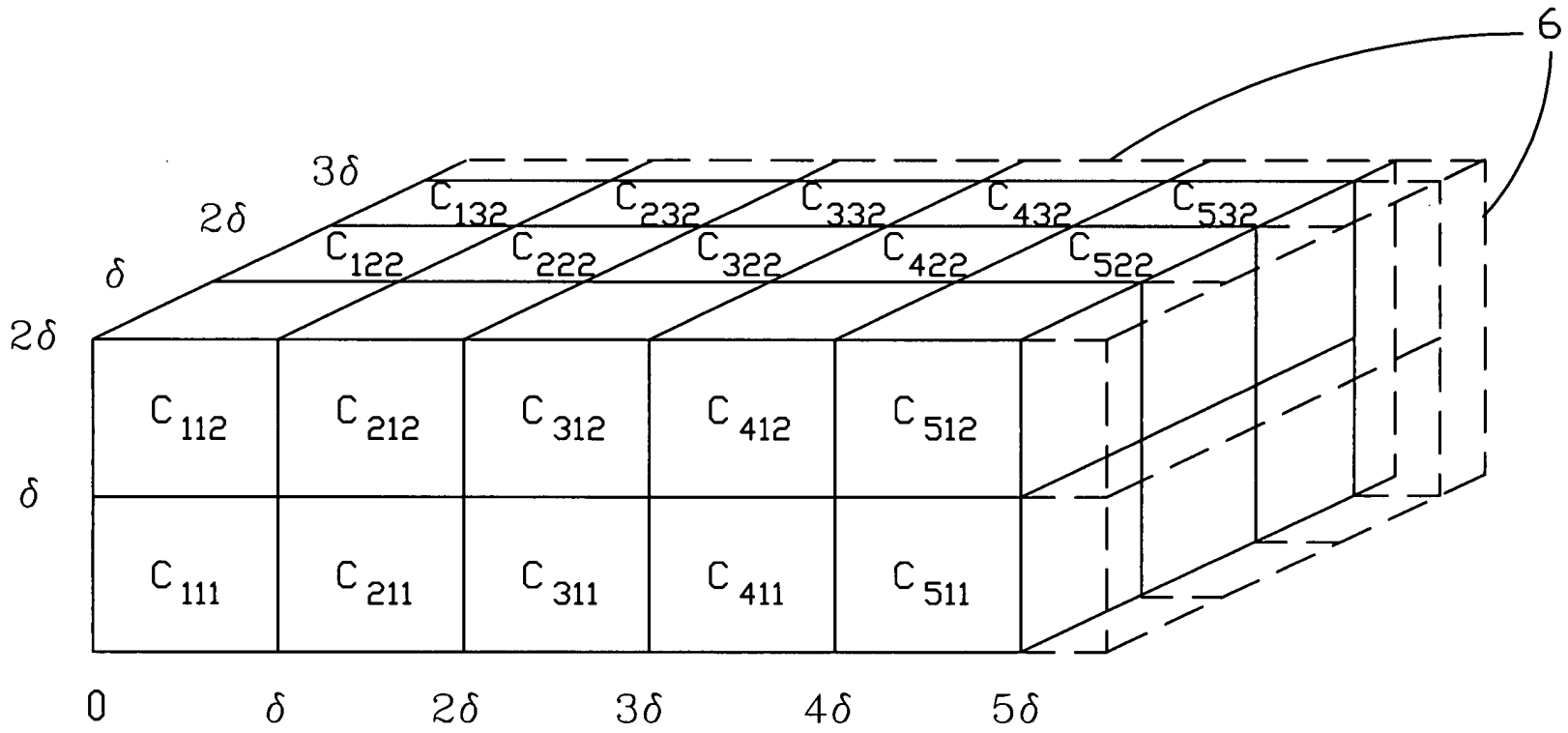
6
3δ
2δ
δ
2δ
δ
C132
C232
C332
C432
C532
C122
C222
C322
C422
C522
C112
C212
C312
C412
C512
C111
C211
C311
C411
C511
0
δ
2δ
3δ
4δ
5δ

FIG. 2

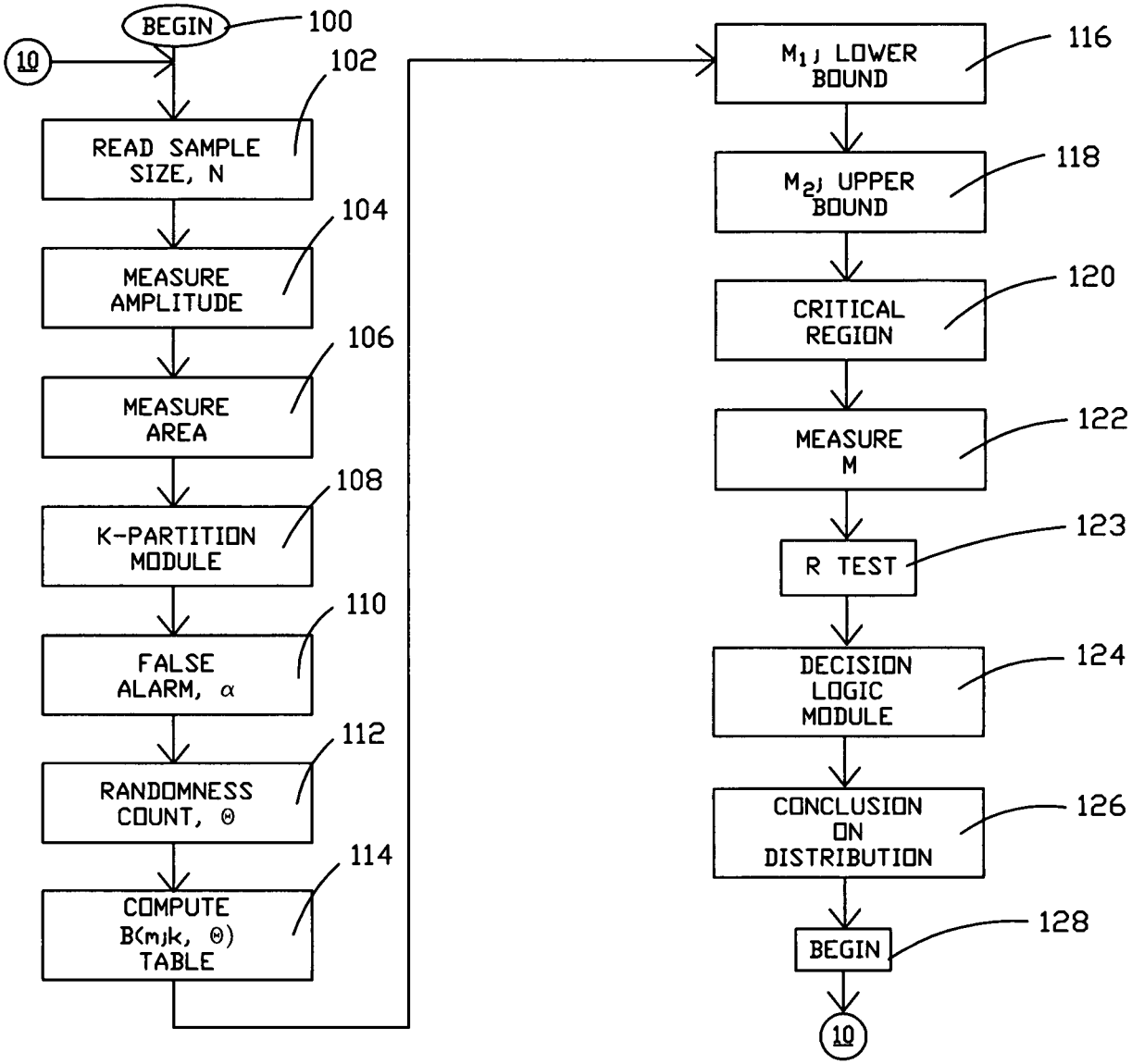
BEGIN
100
10
102
READ SAMPLE SIZE, N
104
MEASURE AMPLITUDE
106
MEASURE AREA
108
K-PARTITION MODULE
110
FALSE ALARM, α
112
RANDOMNESS COUNT, Θ
114
COMPUTE B(m;k, Θ) TABLE
116
M1j LOWER BOUND
118
M2j UPPER BOUND
120
CRITICAL REGION
122
MEASURE M
123
R TEST
124
DECISION LOGIC MODULE
126
CONCLUSION ON DISTRIBUTION
128
BEGIN
10

FIG. 3

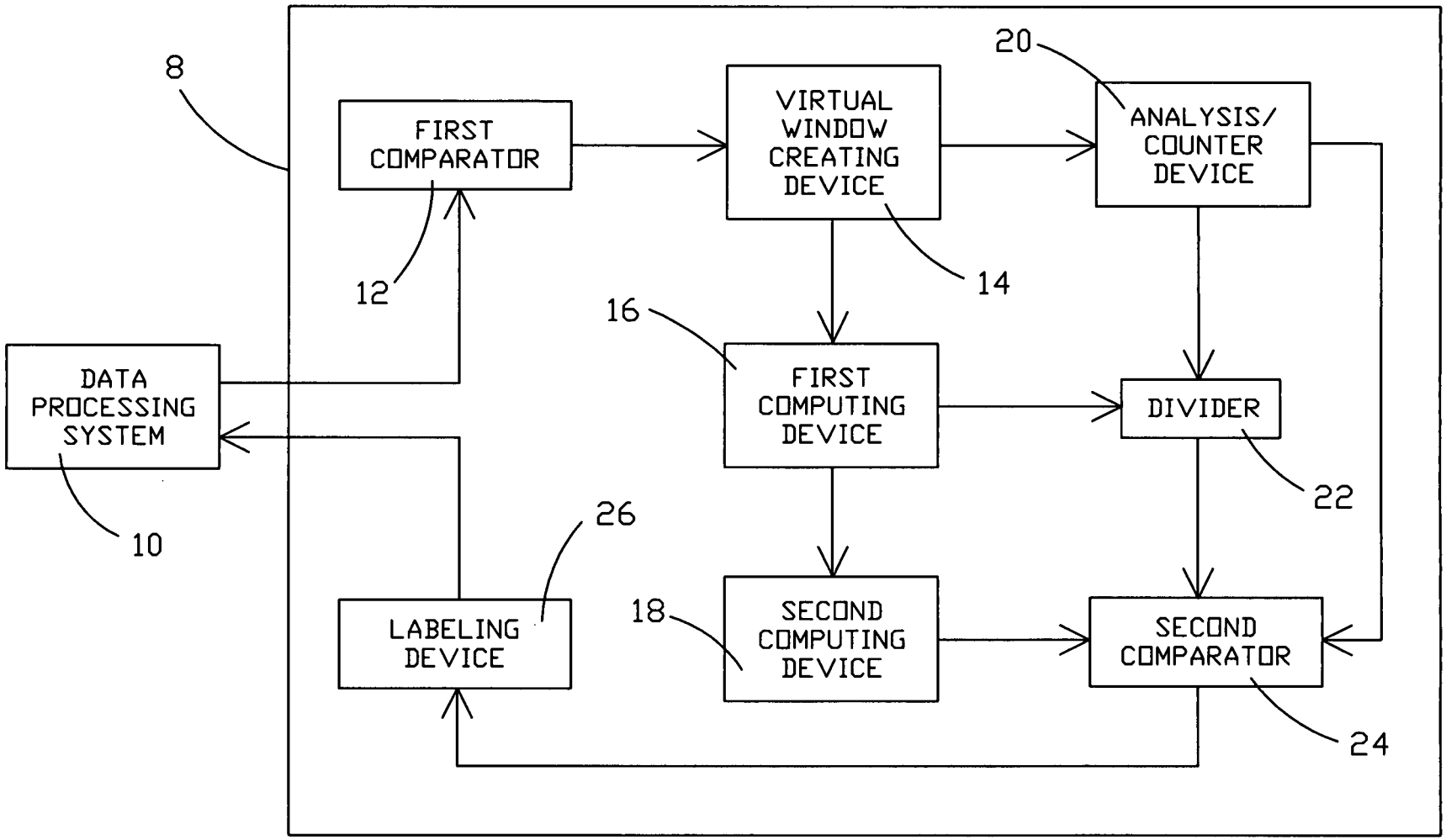
8
FIRST COMPARATOR
VIRTUAL WINDOW CREATING DEVICE
20
ANALYSIS/ COUNTER DEVICE
12
14
16
DATA PROCESSING SYSTEM
FIRST COMPUTING DEVICE
DIVIDER
22
10
26
LABELING DEVICE
18
SECOND COMPUTING DEVICE
SECOND COMPARATOR
24

FIG. 4

BINOMIAL TABLE FOR k=30, Θ=.632, α=.01

m	$P(M=m)=\binom{k}{m}\Theta^{m}(1-\Theta)^{k-m}$	$P(M\leq m)=\sum_{0}P(M=m)$ (CUMULATIVE)	$P(M\geq m)$
0	0	0	
1	0	0	
2	0	0	
3	0	0	
4	0	0	
5	0	0	
6	0	0	
7	0	0	
8	0	0	
9	.00002	.00005	
10	.00063	.00068	
11	.00197	.00265(m_1), $P(M\leq m)\leq\alpha_0/2$	
12	.00536	.00801	
13	.0334	.0551	
14	.02661	.04738	
15	DATA NOT SHOWN FOR m=15 to 24		
16			
17			
18			
19			
20			
21			
22			
23			
24			
25	.01005	.98560	.03878
26	.00332	.99566	.01440
27	.00085	.99898(m_2), $P(M\geq m)\leq\alpha_0/2$	.00435
28	.00016	.99982	.00103
29	.00002	.99998	.00018
m=k=30	0	1.0	.0002

FIG. 5